

FIG. 1

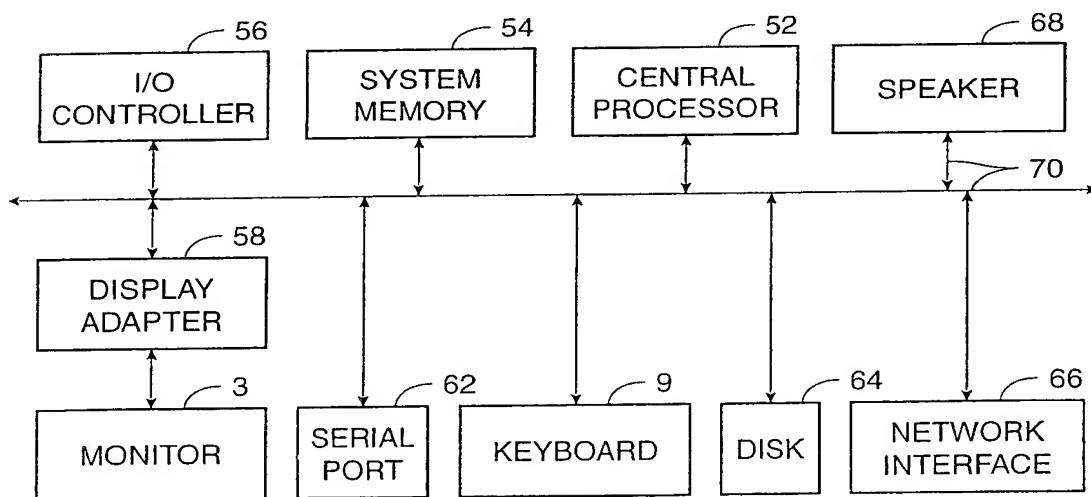
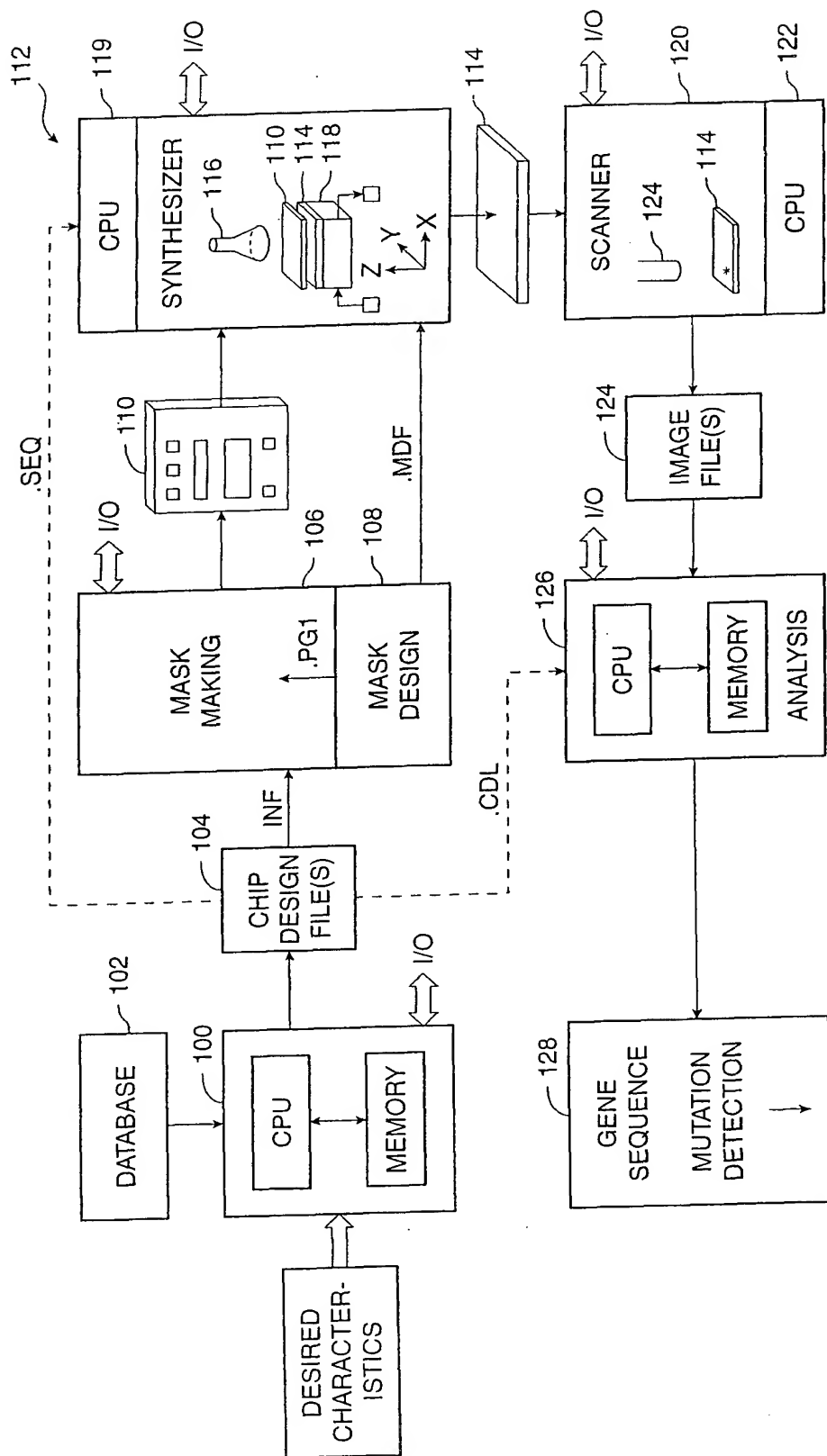


FIG. 2



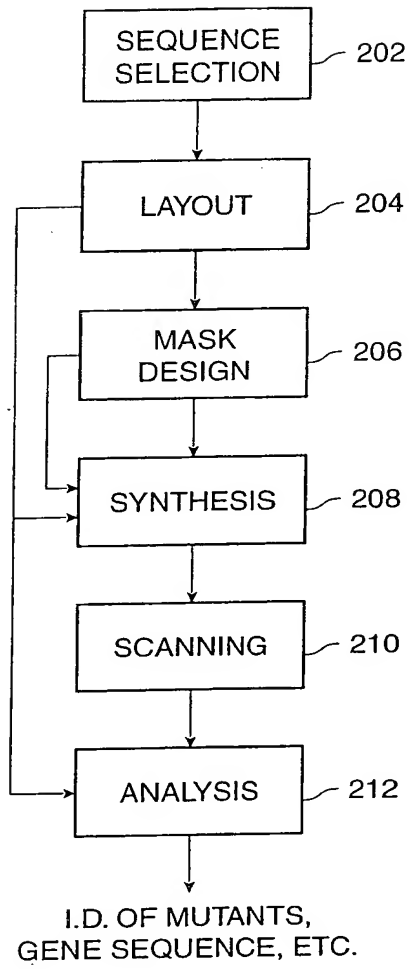


FIG. 4

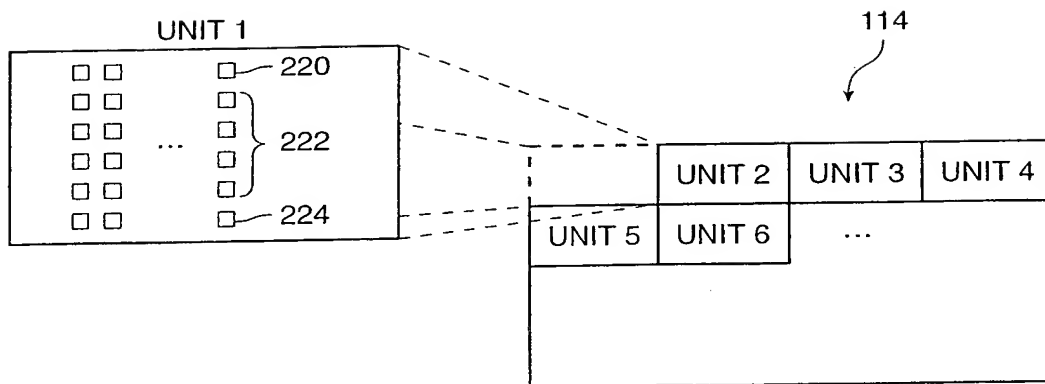


FIG. 5

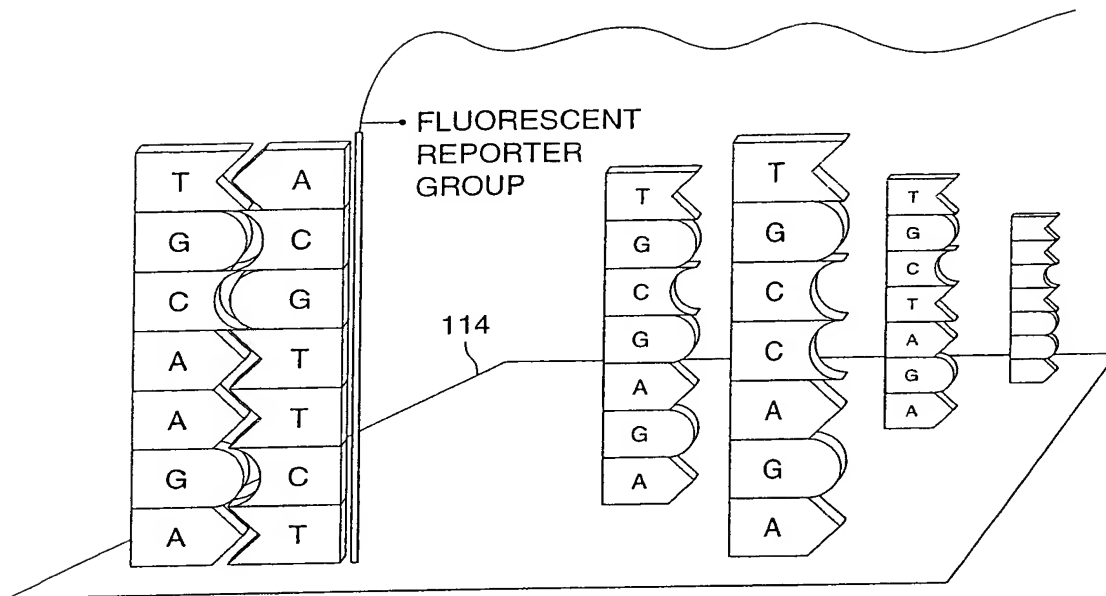


FIG. 6

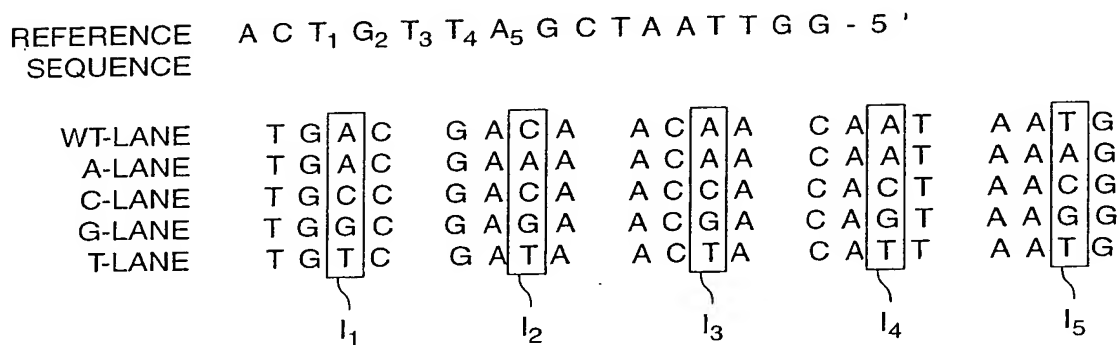


FIG. 7

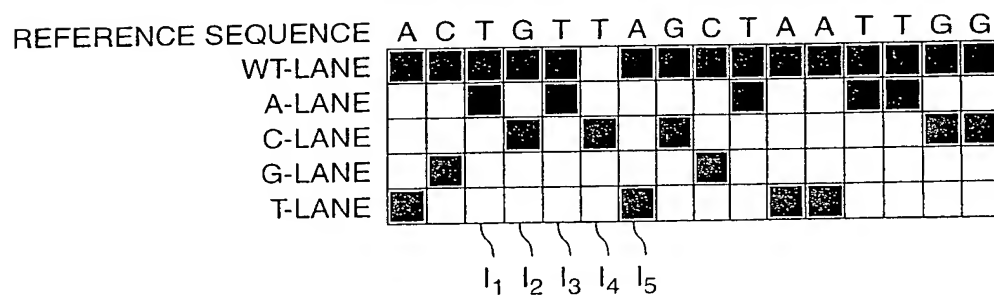


FIG. 8

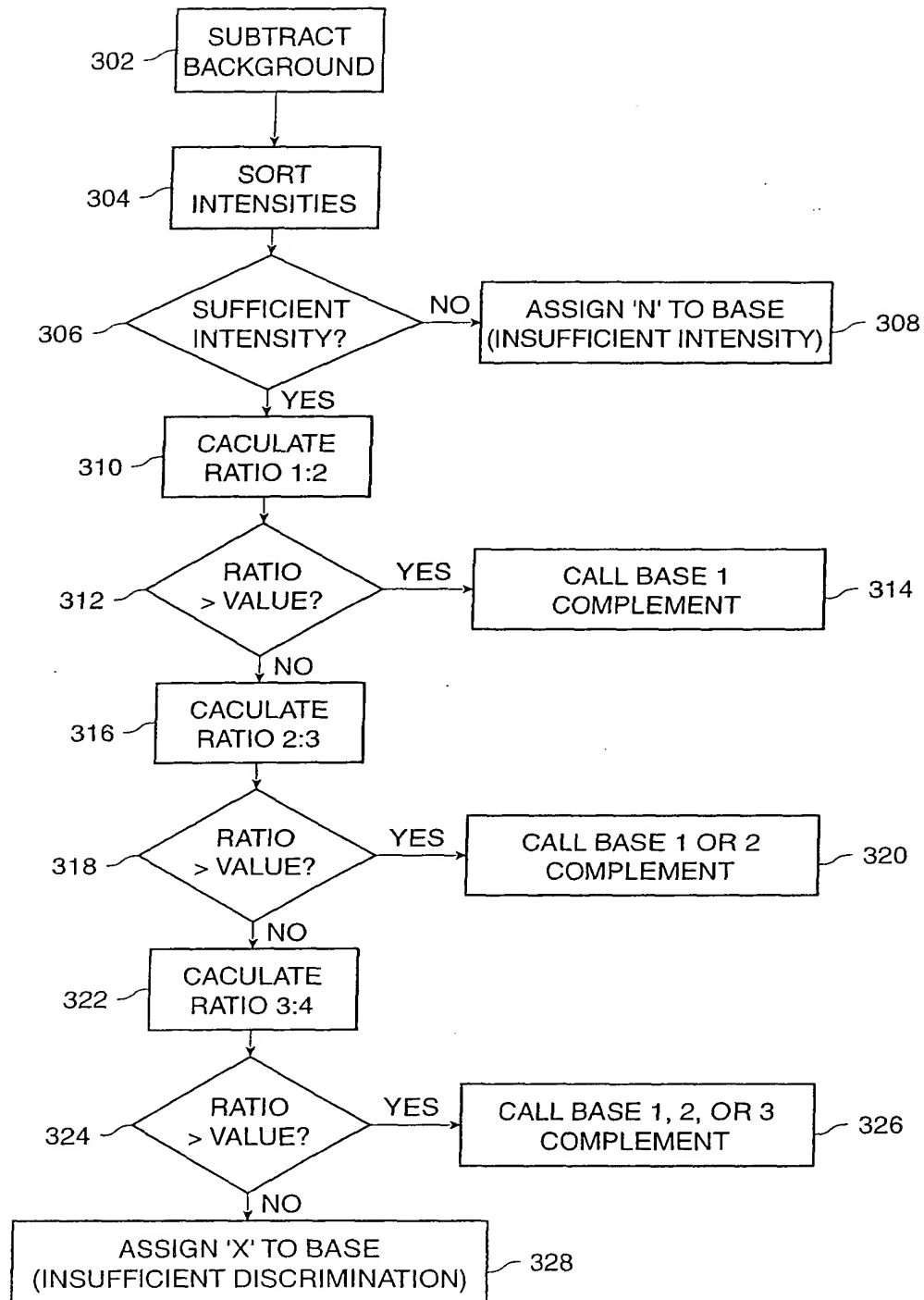


FIG. 9

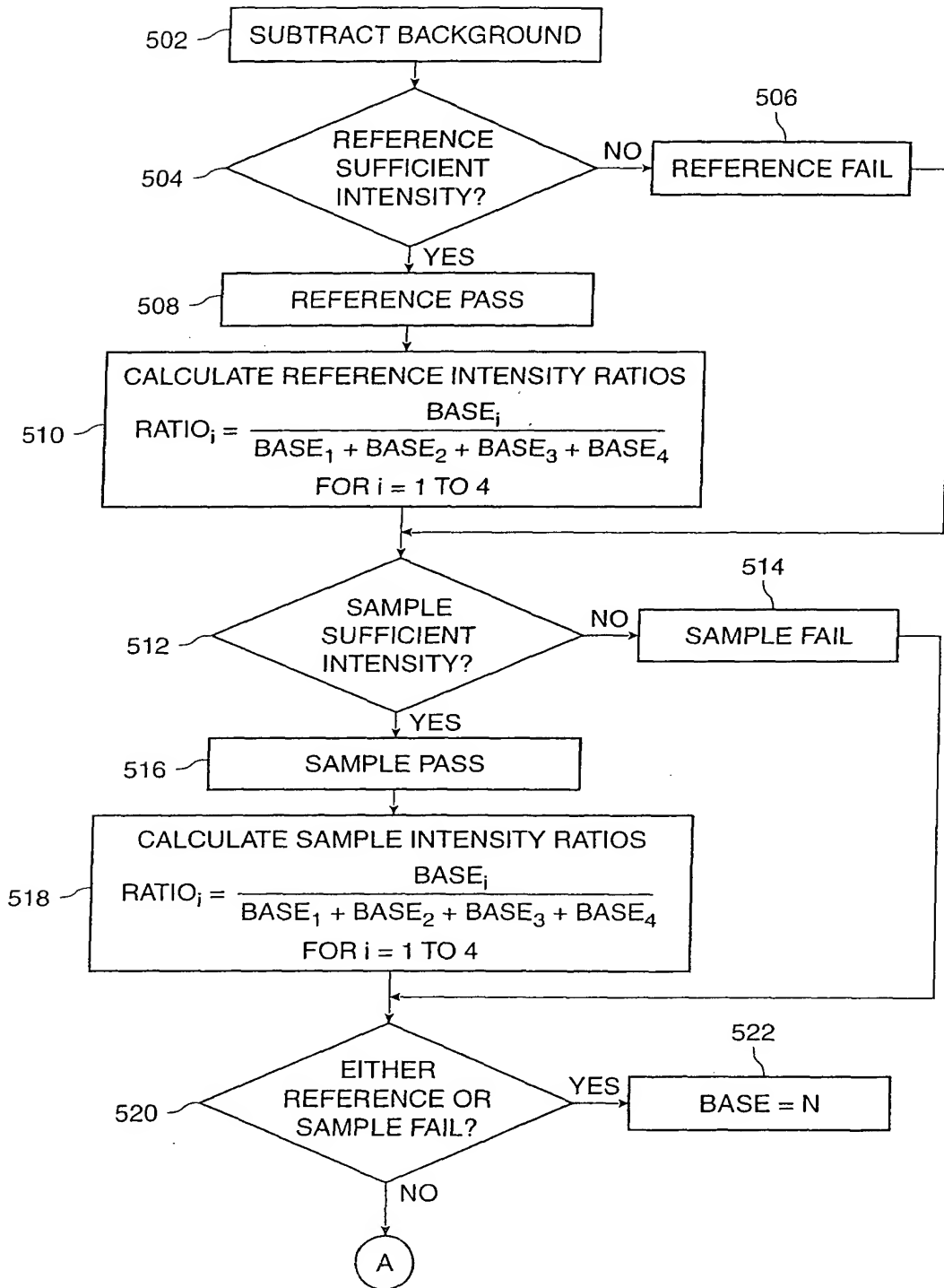


FIG. 10A

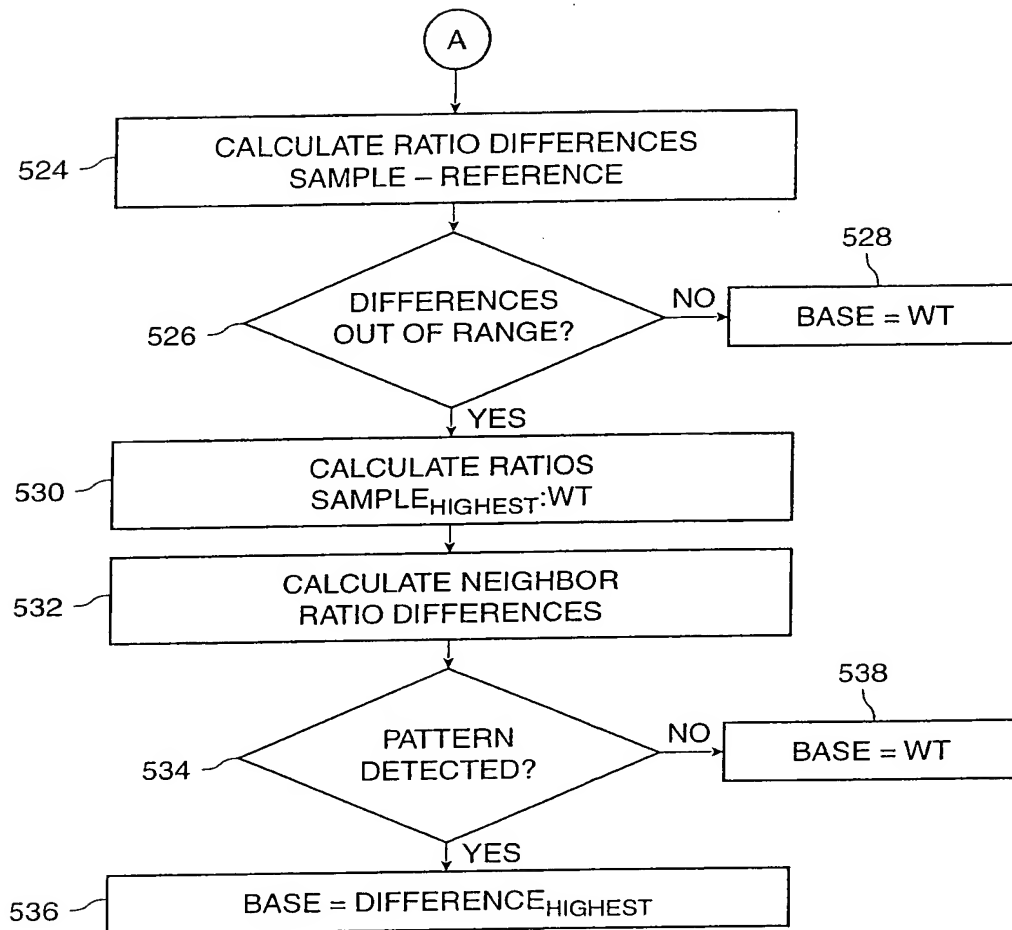


FIG. 10A
(CONTINUED)

POSITION	WT	REFERENCE				SAMPLE				RATIO OF RATIOS							
		BACK-GROUND	A	C	G	T	BACK-GROUND	A	C	G	T	A/A	C/C	G/G	T/T	BASE	CONFIDENCE
463	C	P	7.2	9.9	1.0	5.6	P	6.4	2.3	1.0	14.5	1.1	4.3	1.0	0.4	G	1
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18

FIG. 10B

9/31

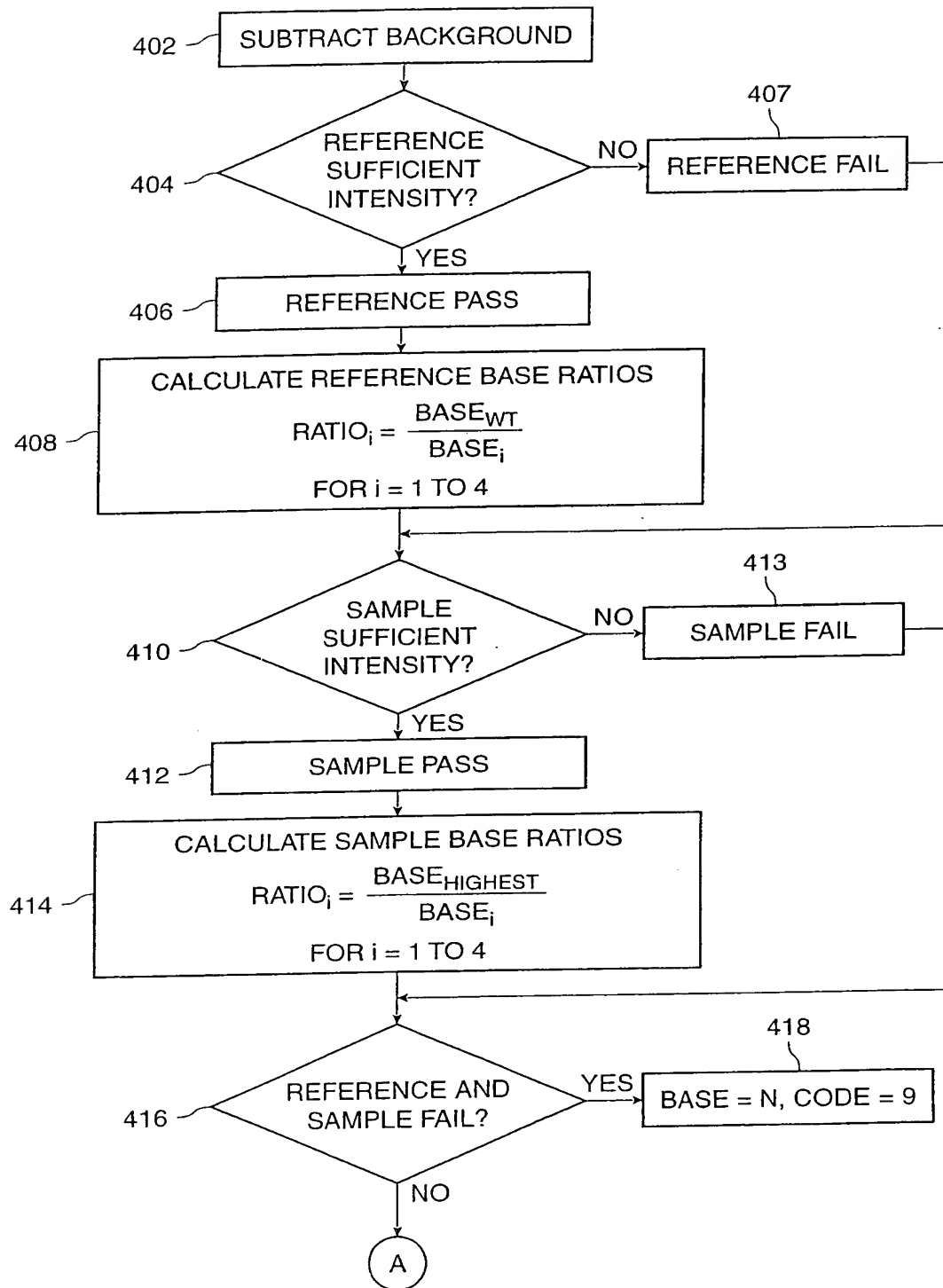


FIG. 11A

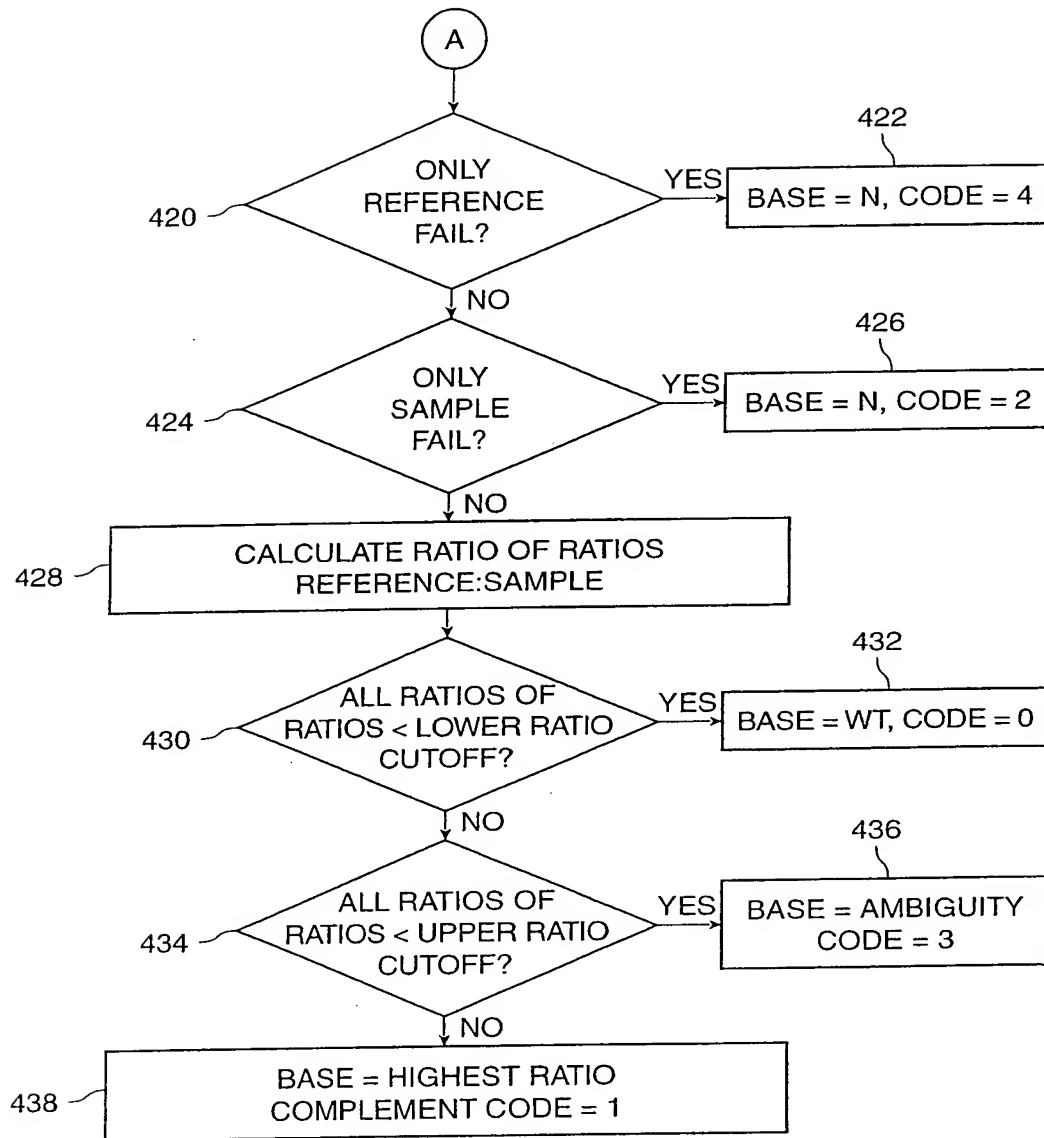


FIG. 11A
(CONTINUED)

BCK SUBTRACTED INTENSITIES																	
	-7	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9
RY090203.CQ1																	
POSITION:	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250
WILDTYPE:	A	A	A	C	C	C	A	A	T	C	C	A	C	A	T	C	A
CALLED:	A	A	A	C	C	C	A	A	T	C	C	A	C	A	T	C	M
A	148	193	165	17	70	38	282	385	97	31	18	158	15	223	178	126	154
C	57	100	42	167	345	278	38	99	139	249	249	13	244	28	257	250	175
G	26	32	20	16	64	17	27	107	100	13	9	11	10	30	142	59	55
T	9	15	10	6	41	14	27	79	261	6	2	1	7	16	320	52	37
S	240	340	238	207	522	347	374	671	598	298	279	182	276	298	896	487	421
WTR	148	193	165	167	345	278	282	385	261	249	249	158	244	223	320	250	154
MAXR	148	193	165	167	345	278	282	385	261	249	249	158	244	223	320	250	175
MC090407.CQ1																	
POSITION:																	
WILDTYPE:	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250
CALLED:	A	A	A	C	C	C	A	A	T	C	C	A	C	A	T	C	A
A	M	M	A	C	X	C	A	X	X	C	C	A	C	A	X	X	M
C	194	238	150	44	191	126	283	332	234	58	49	242	25	337	286	180	256
G	209	291	74	202	337	277	74	199	175	259	288	27	376	65	379	324	234
T	92	72	34	29	114	52	65	571	231	30	17	16	47	71	254	104	109
S	25	39	16	11	96	29	68	205	267	11	8	5	23	57	427	97	85
WTR	520	639	274	286	738	484	489	1307	906	357	362	291	472	529	1346	705	684
MAXR	194	238	150	202	337	277	283	332	267	259	288	242	376	337	427	324	256
	209	291	150	202	337	277	283	571	267	259	288	242	376	337	427	324	256

FIG. 11B

WTE/WTR	1.31	1.23	0.91	1.21	0.98	1.00	1.00	0.86	1.02	1.04	1.15	1.54	1.54	1.51	1.34	1.30	1.66
MAXE/WTR	1.42	1.51	0.91	1.21	0.98	1.00	1.00	1.48	1.02	1.04	1.15	1.54	1.54	1.51	1.34	1.30	1.66
N-L + N-R		0.79	-0.63	0.54	-0.25	0.01	0.14	0.94	0.14	-0.10	-0.27	0.38	0.04	0.14	-0.13	-0.40	
N-L		0.09	-0.60	0.30	-0.24	0.02	0.01	0.48	-0.46	0.02	0.11	0.38	0.01	-0.04	-0.17	-0.04	
N-R		0.60	-0.30	0.24	-0.02	-0.01	-0.48	0.46	-0.02	-0.11	-0.38	-0.01	0.04	0.17	0.04	-0.36	
N-L D(N-R)			-0.90	0.54	-0.25	0.01	-0.48	0.94	-0.48	-0.10	-0.27	0.38	0.04	0.14	-0.13		
N-R D(N-L)			-0.90	0.54	-0.25	0.01	-0.48	0.94	-0.48	-0.10	-0.27	0.38	0.04	0.14	-0.13		
L(N-L) - (N-R)L			0.29	0.07	0.22	0.02	0.49	0.02	0.44	0.13	0.50	0.39	0.03	0.21	0.21		
A+B-C			-2.10	1.01	-0.73	0.00	-1.44	1.86	-1.40	-0.33	-1.03	0.36	0.06	0.06	-0.48		
SUM MT/ SUM WT																	
INTENSITIES																	
N/L + N/R	2.16	1.88	1.15	1.39	1.41	1.39	1.31	1.95	1.52	1.20	1.30	1.60	1.71	1.78	1.50	1.45	1.63
N-L + N-R		2.50	1.45	2.18	2.04	2.05	1.61	2.77	2.04	1.71	1.89	2.18	2.03	2.22	1.88	1.85	
N-L		0.22	-0.48	0.10	0.02	0.03	-0.36	0.54	-0.06	-0.21	-0.10	0.10	0.02	0.17	-0.11	-0.12	
N-R		-0.28	-0.73	0.21	0.03	-0.02	-0.09	0.54	-0.43	-0.32	0.10	0.30	0.10	0.07	-0.27	-0.06	
		0.73	-0.23	-0.03	0.02	0.09	-0.64	0.43	0.32	-0.10	-0.30	-0.10	-0.07	0.27	0.06	-0.18	

FIG. 11B
(CONTINUED)

[illegible]

FIG. 11B
(CONTINUED)

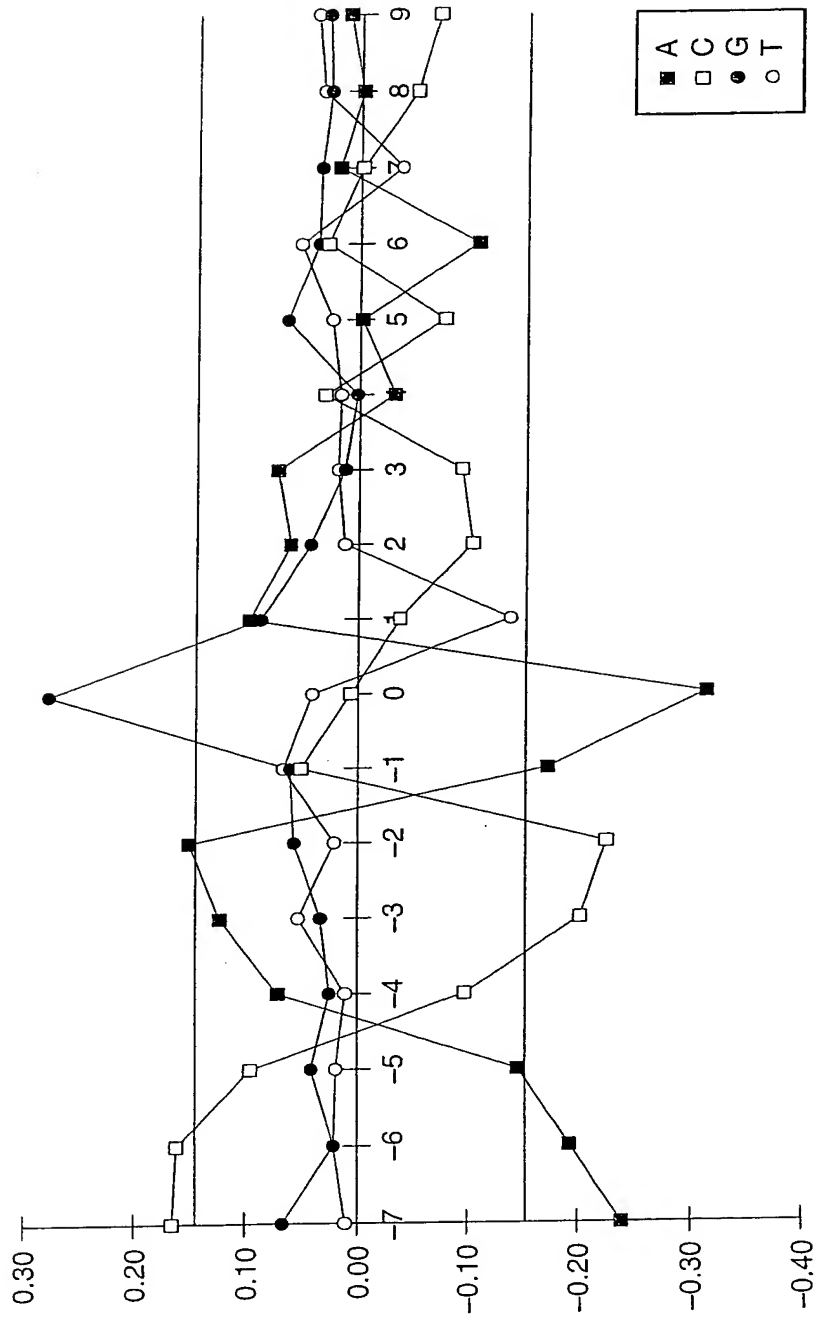


FIG. 11C

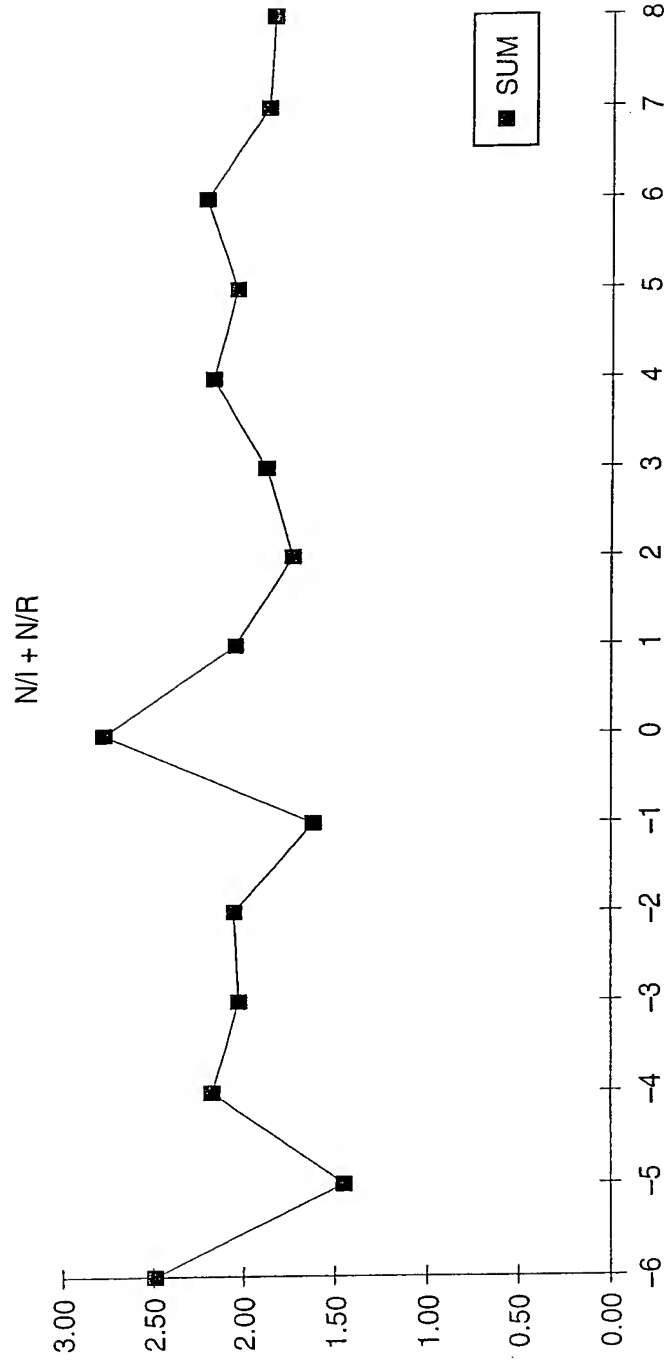
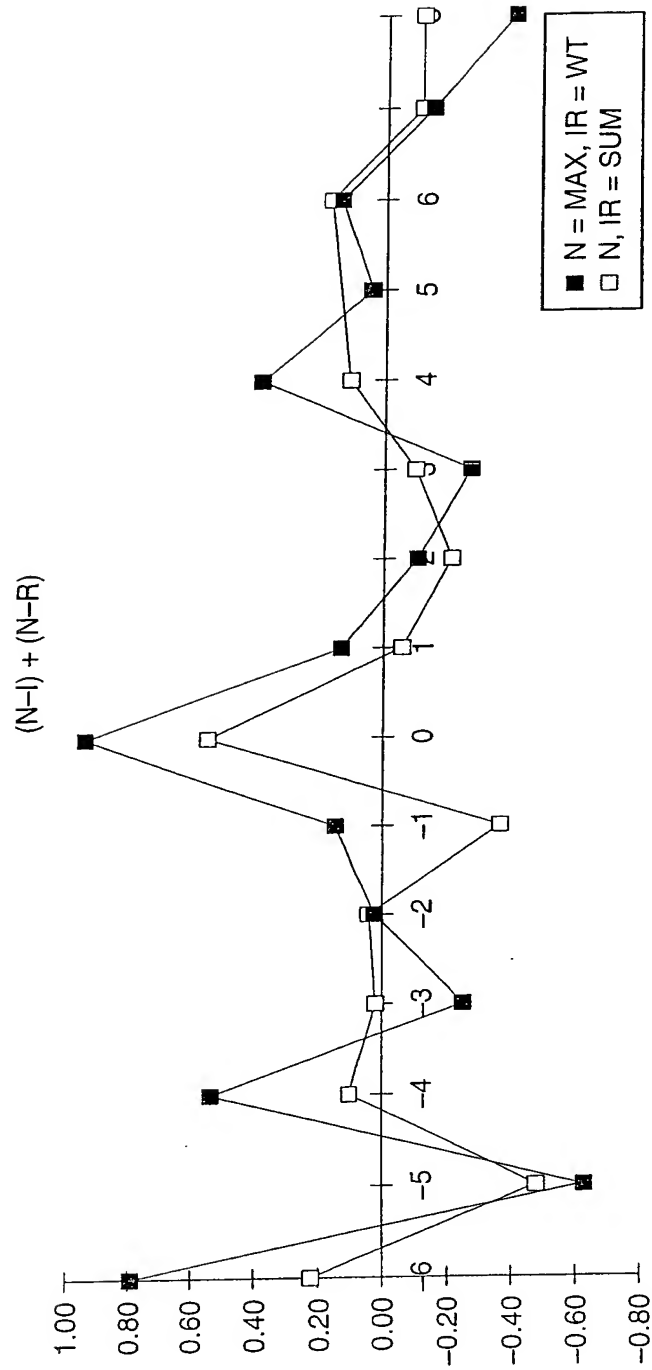
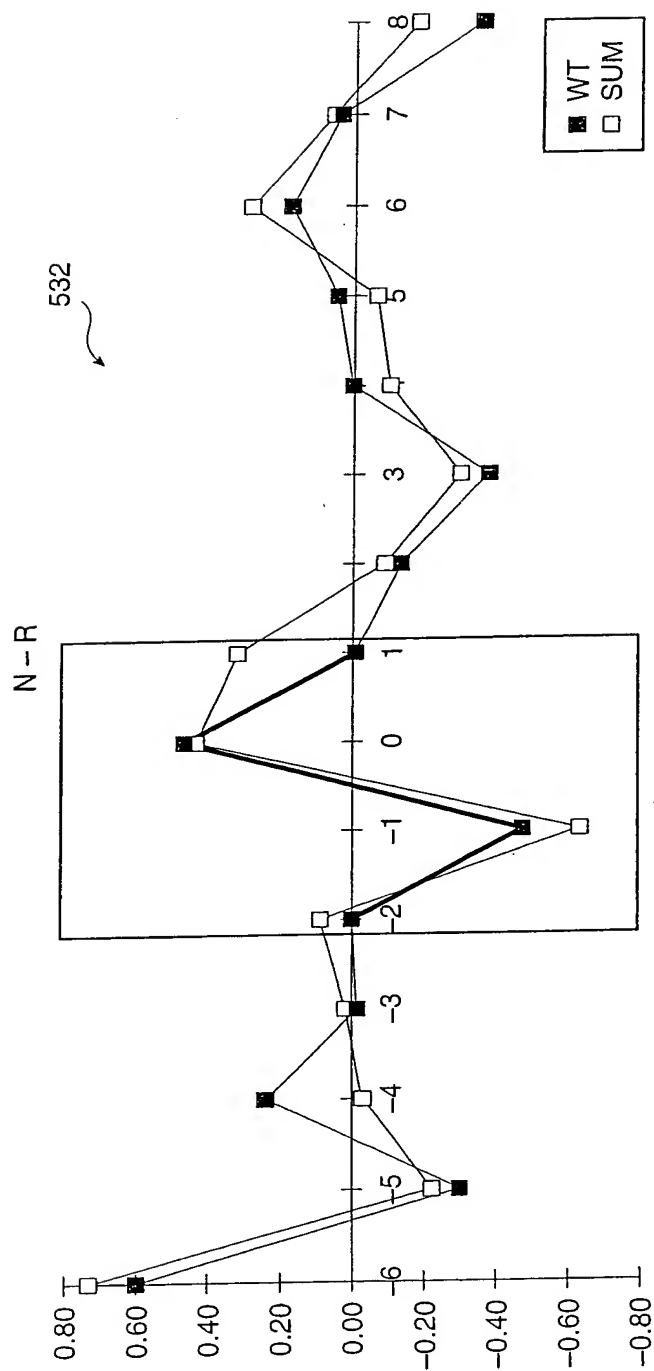
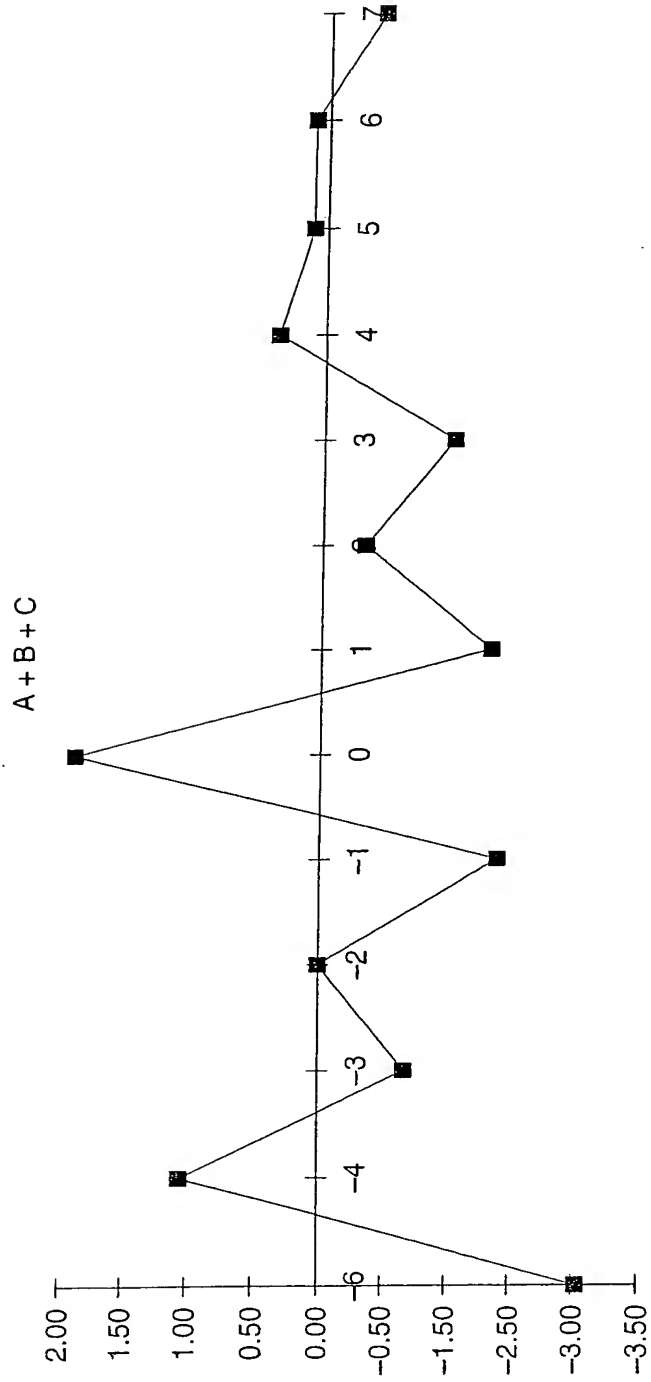


FIG. 11D

FIG. 11D
(CONTINUED)

FIG. 11D
(CONTINUED)

FIG. 11D
(CONTINUED)

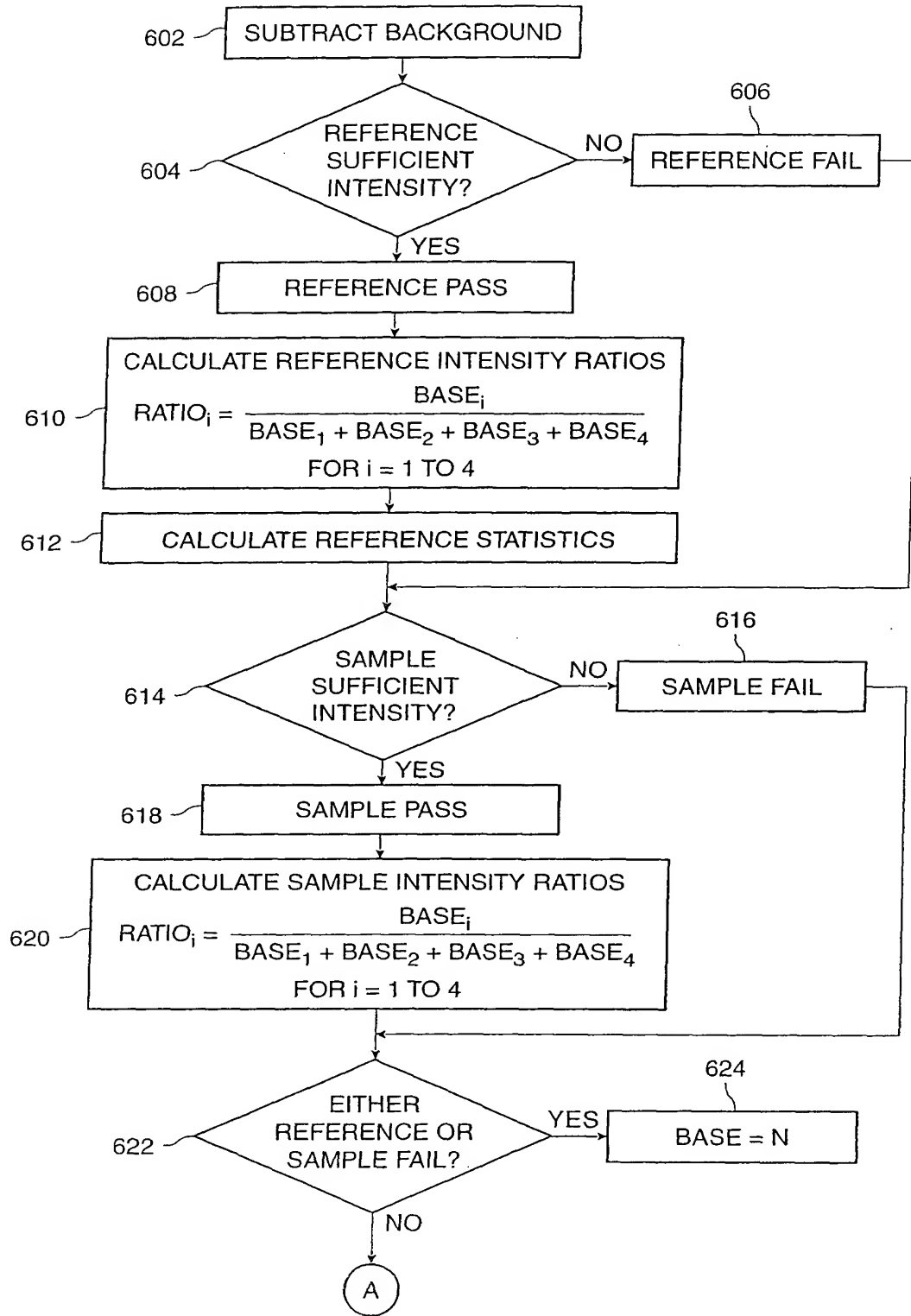


FIG. 12

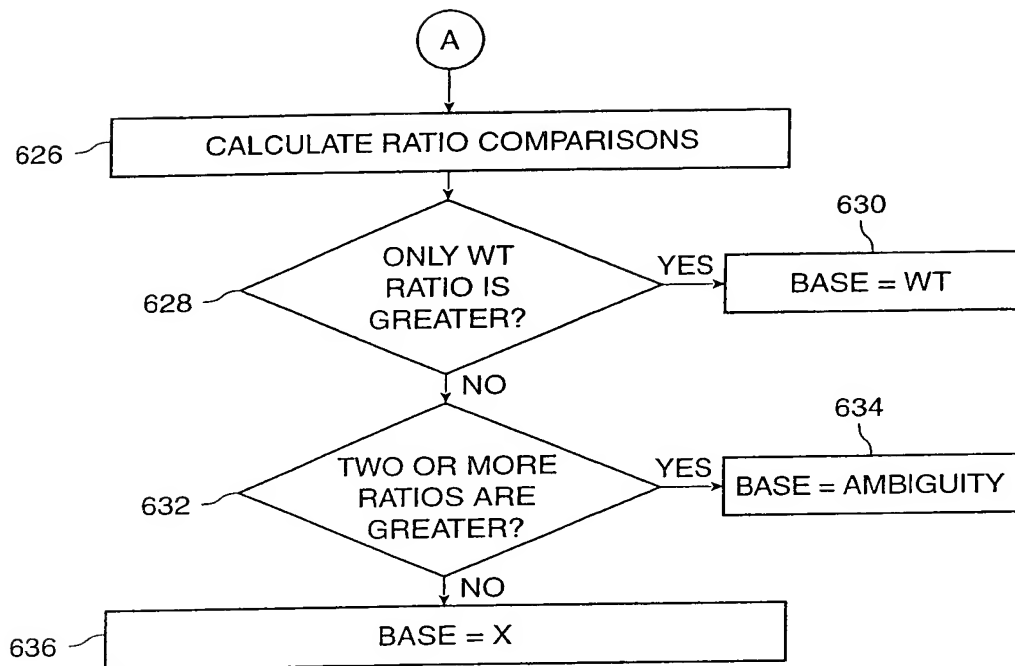


FIG. 12
(CONTINUED)

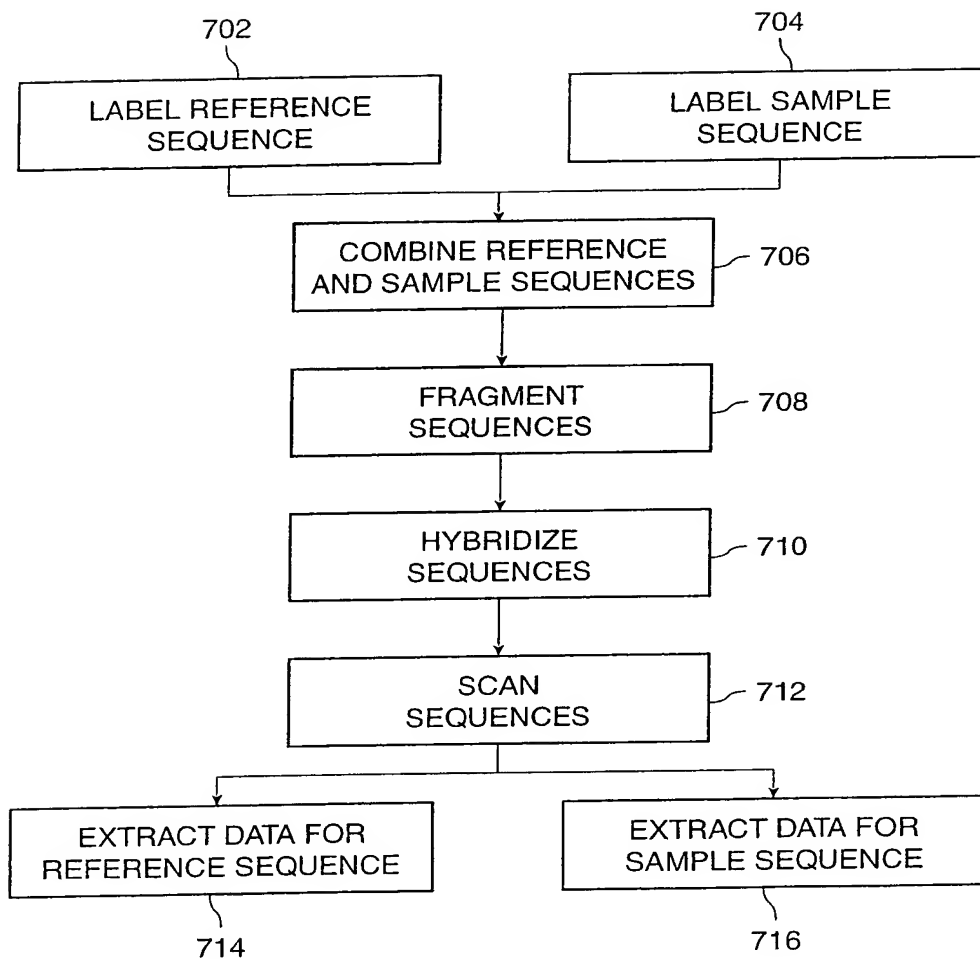


FIG. 13

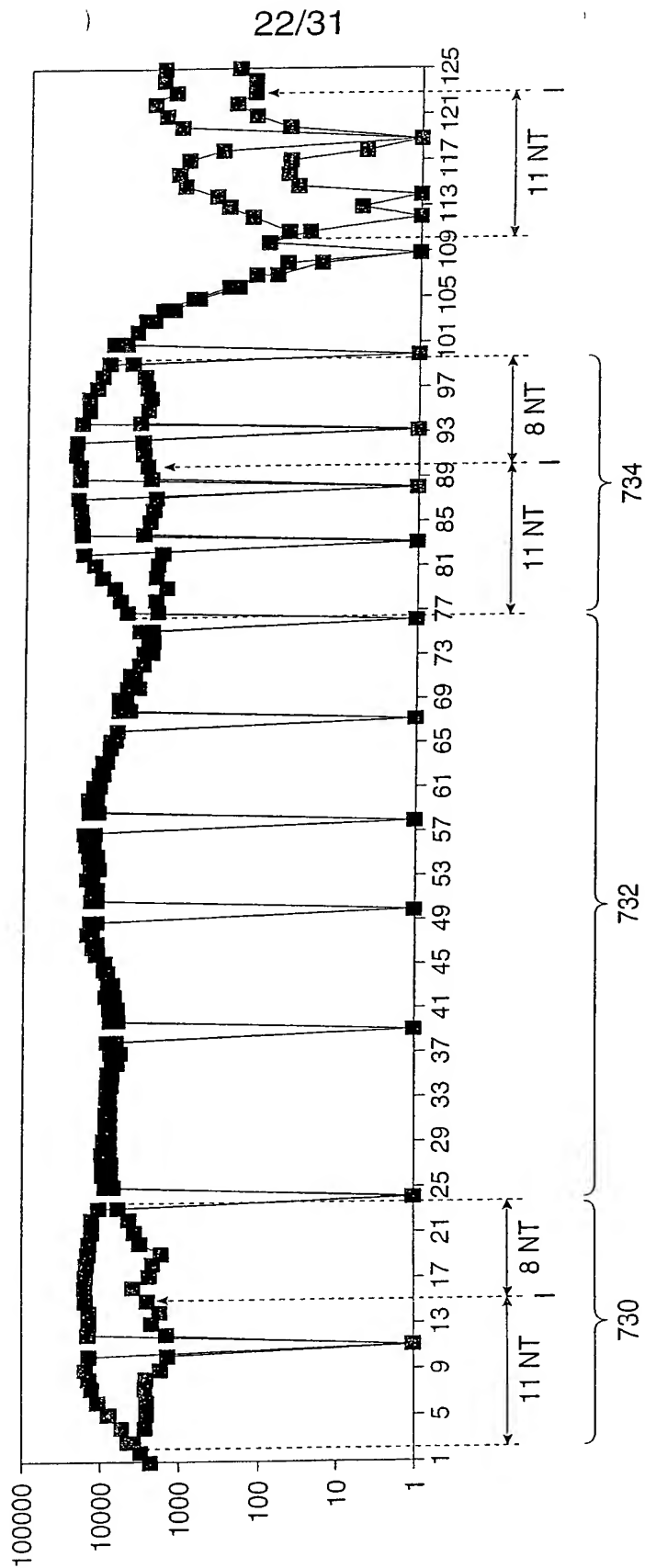


FIG. 14A

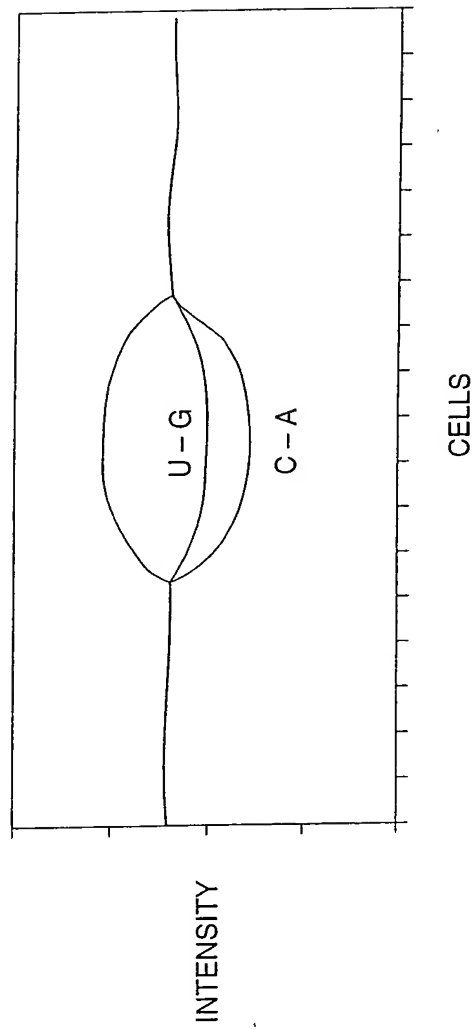


FIG. 14B

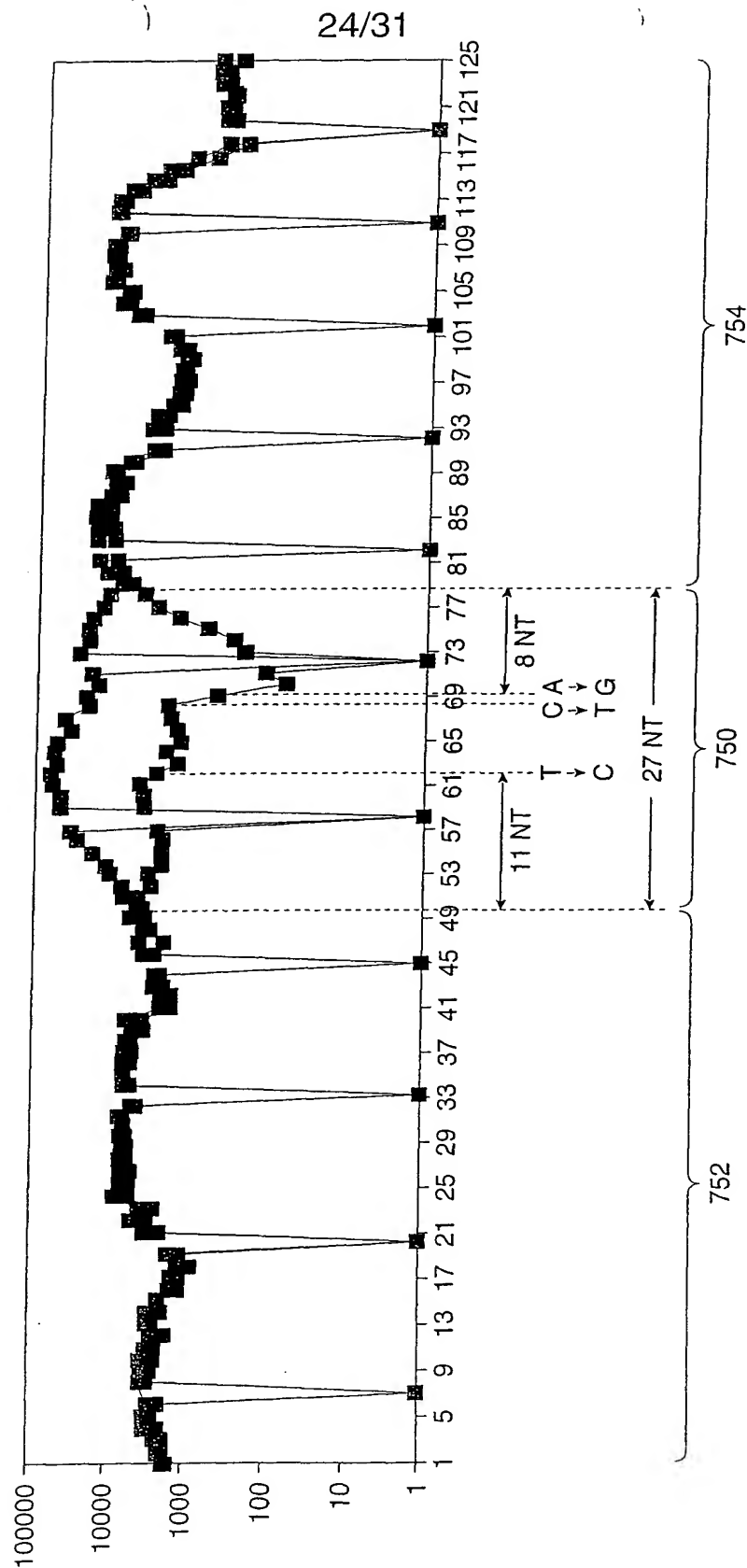


FIG. 14C

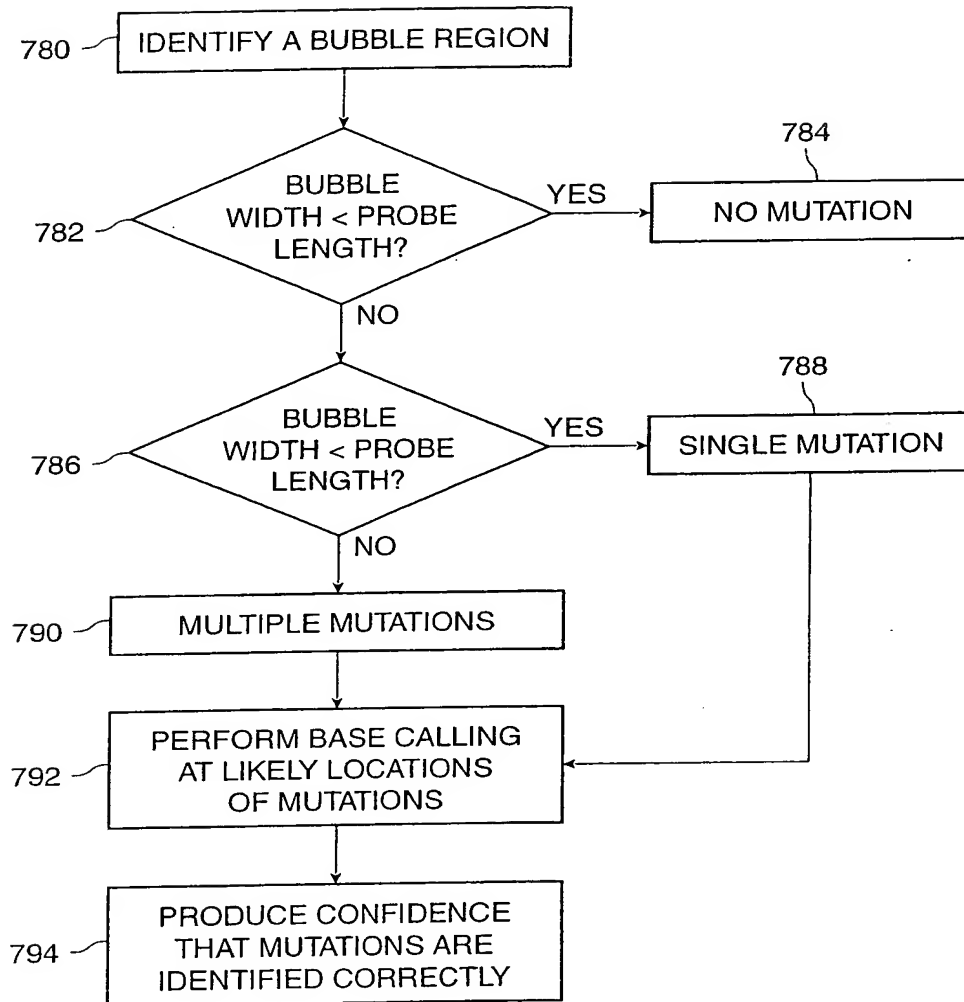


FIG. 15

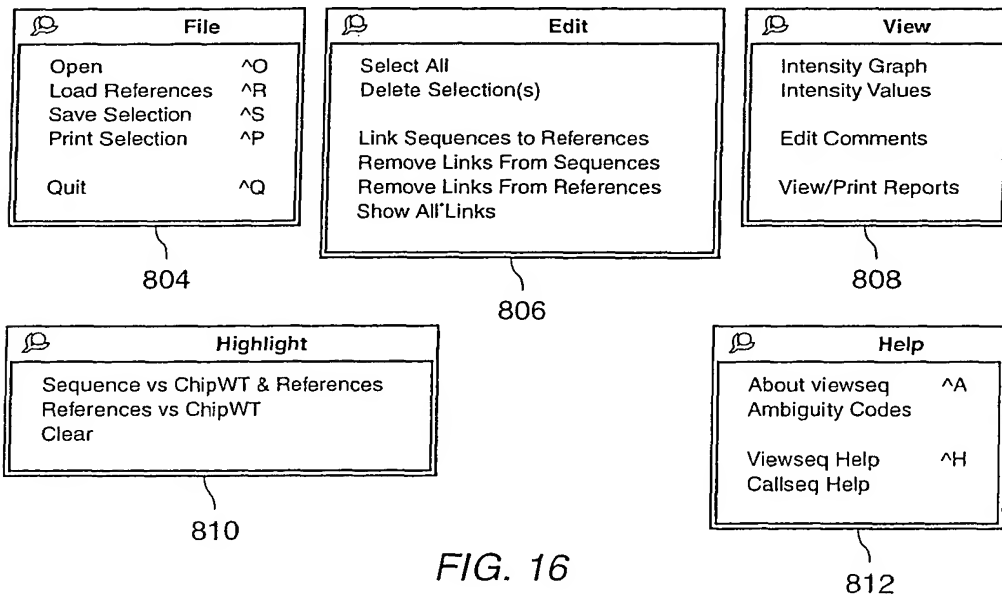
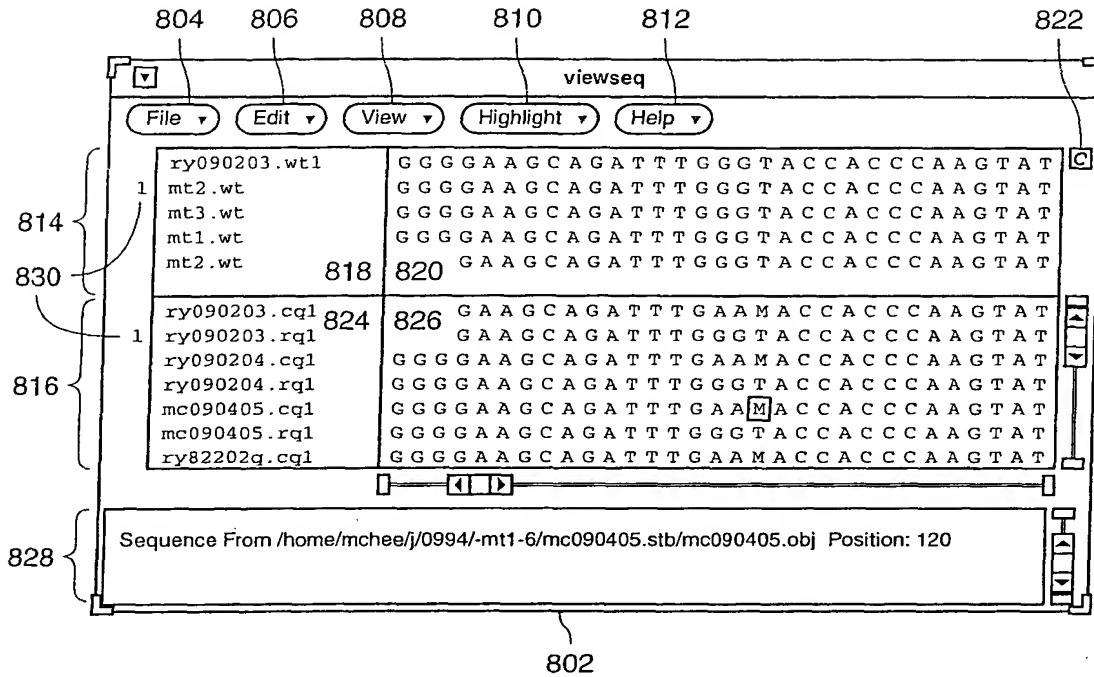


FIG. 16

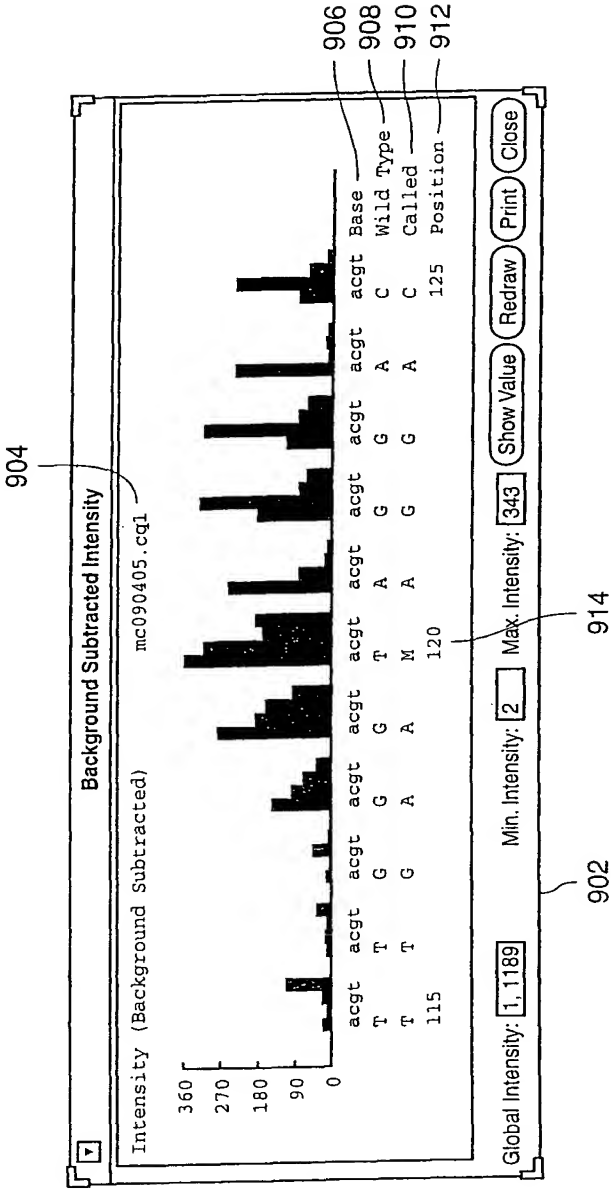


FIG. 17

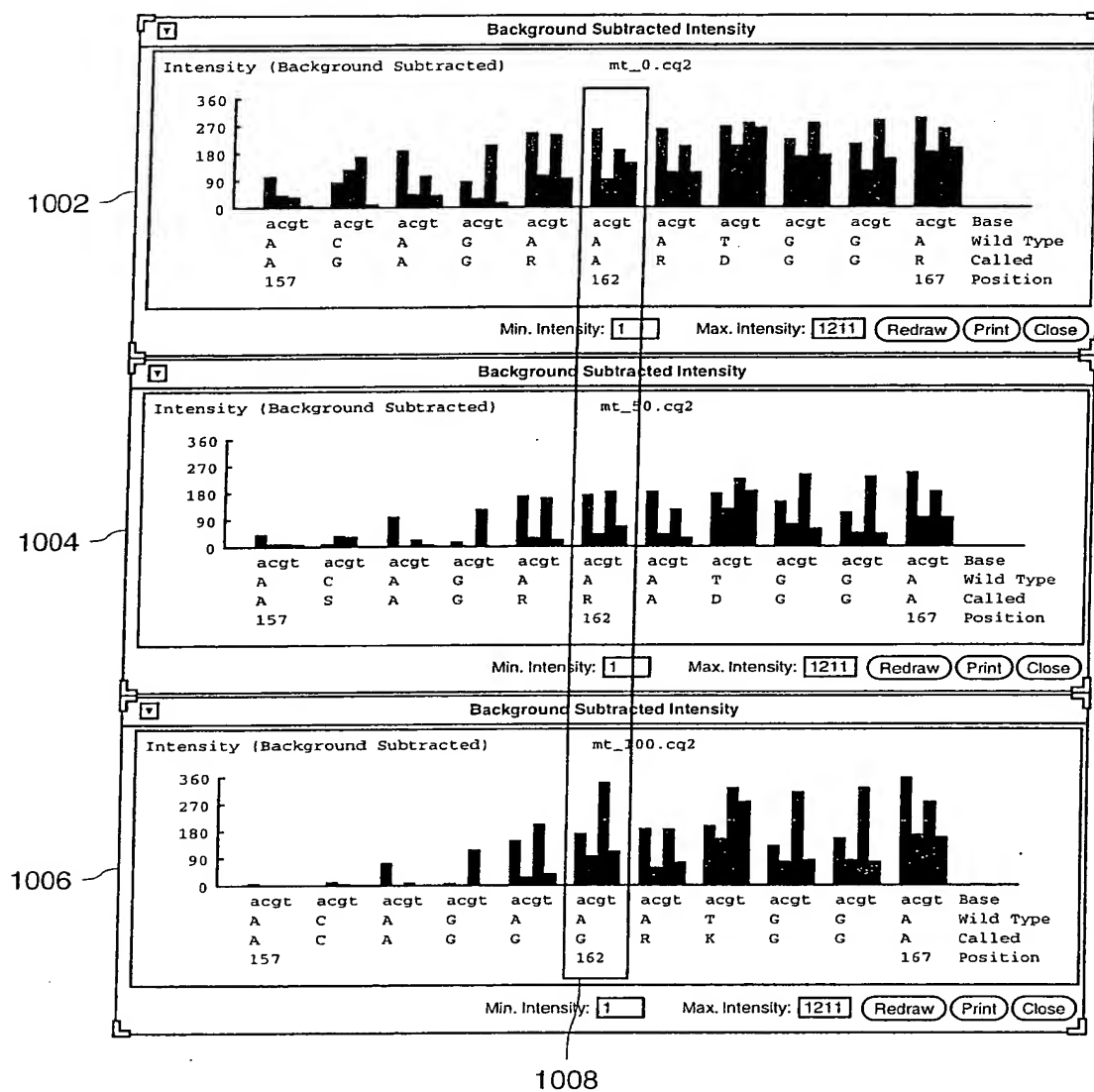


FIG. 18

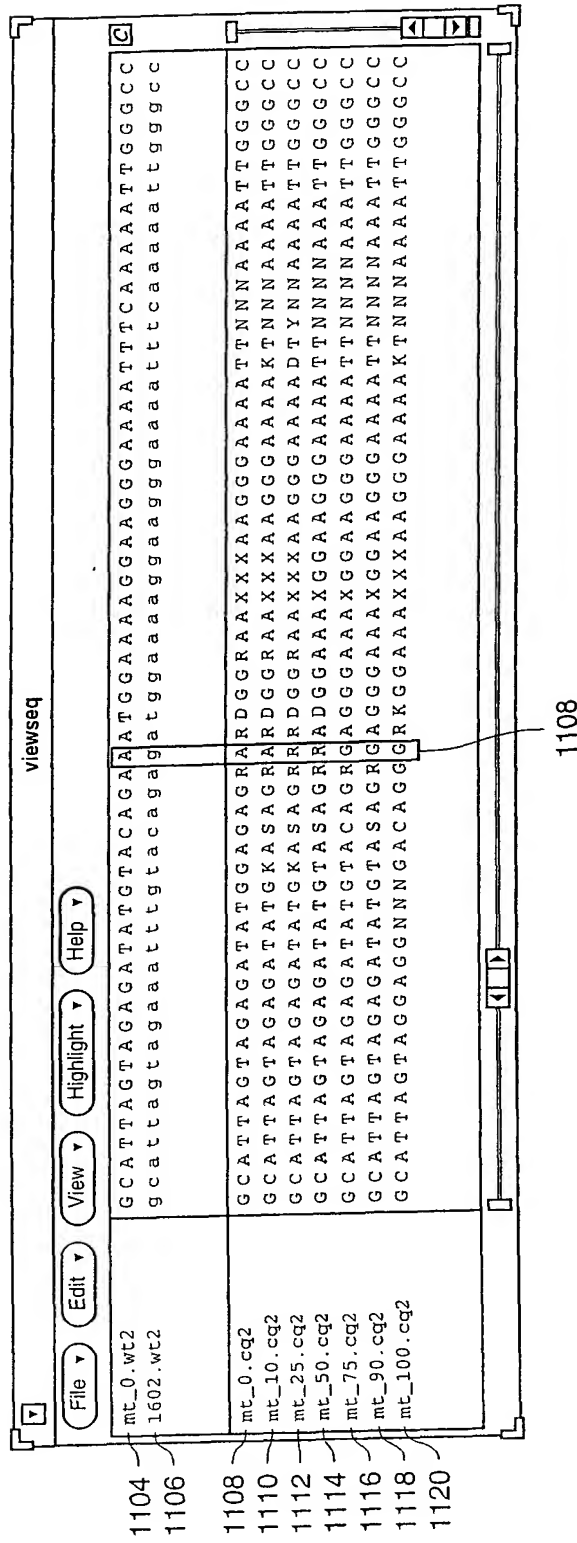
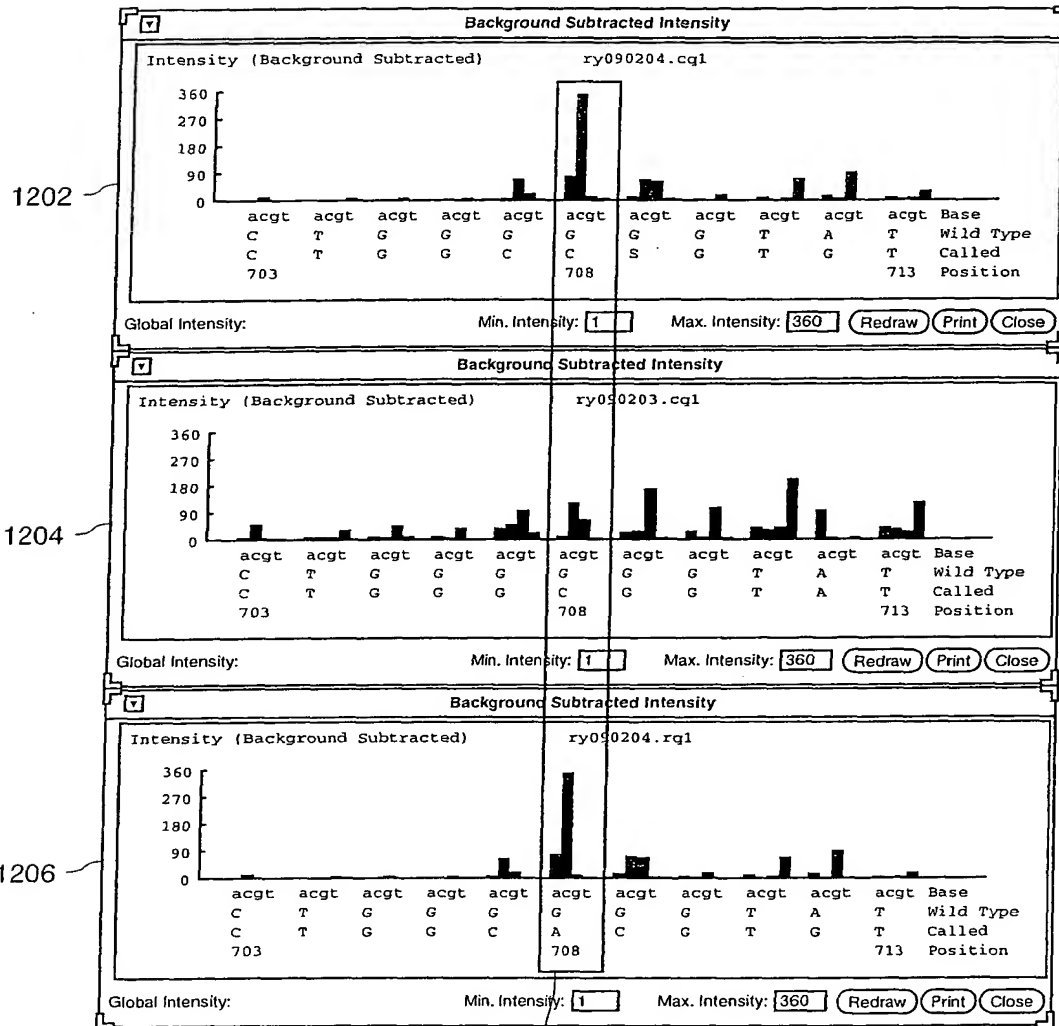


FIG. 19



1208

FIG. 20

tcgagataatctatgtcctcgctactatgtgcataatctctttactttaaacgggtccttttaccttttggtttttactatc	90	100	110	120	130	140	150	160	CONSENSUS
nngagatannnntatgtcctcgctcyactatgtnnnnnnnnnnnnnnnnaaacgggtcctnnnnnnnnnnnnnnnnnnnn									PRE-TREATMENT
tcgagataaatctatgtcctcgctactatgtcataatnn									POST-TREATMENT
tcgagataaatctatgtcctcgctactatgtcataatctctttactttaaacgggtccttttaccttttggtttttactatc									
tcgagataaatctatgtcctcgctactatgtcataatctctttactttaaacgggtccttttaccttttggtttttactatc									
ncgggatanntatgtcctcgctcyactatgtcann									
tcgrgataaatctatgtcctcgctactatgtcataatccnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn									
tcgagataaatctatgtcctcgctactatgtcataatccnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnnn									
tcgagataaatctatgtcctcgctactatgtcataatctctttactttaaacgggtcctxtacaccttttggtttttactatc									

cccccttaacctccaaaaatagtttcaattctgtcatgtctatggacatcttttagacacctgtatttcgatatccatgt	170	180	190	200	210	220	230	240	CONSENSUS
cnncnntaacctccaaaaatann									PRE-TREATMENT
cccccttaacctccaaaaatagtttcaattctgtcactannagtcctatgngngnnnnnnnnnnnnnnnnnnnnnn									POST-TREATMENT
cnmcttaacctccaaaaatagtttcaattctgtcactactagtcctatgggtagccttttagacacccgtatttcgatatccatgt									
ccmcttaacctccaaaaatagtttcaattctgtcactactagtcctatgggtagccttttagacacccgtatttcgatatccatgt									
aawcycaacctccaaaaatann									
cccccttaacctccaaaaatagtttcaattctgtcactacnnstctannnnnnnnnnnnnnnnnnnnnnnnnnnnnn									
cmcttaacctccaaaaatagtttcaattctgtcactactagtcctatgagtagccttttagacacccgtatttcgatatccatgt									

FIG. 21